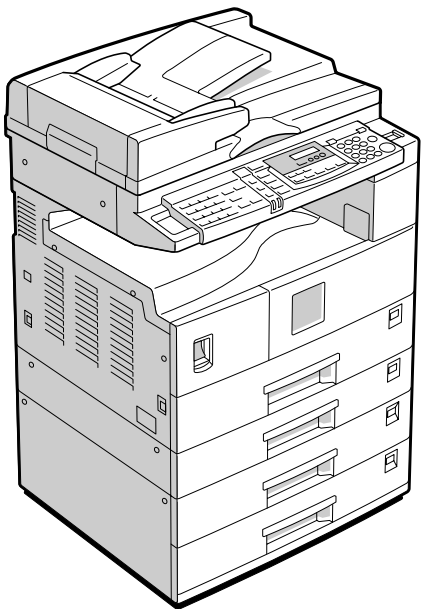
PRINTER Controller
Infotec 4151 4181 4182

Operating Instructions
Printer Reference 2 (option)



For safety, please read this manual carefully before you use this product and keep it handy for future reference.

Introduction

This manual contains detailed instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual.

Please keep this manual in a handy place near the machine.

Please read the Safety Information in the “Copy Reference” before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Note:

"PS2" stands for PostScript level2 Compatible in this manual.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Trademarks

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Ethernet is a registered trademark of Xerox Corporation.

Adobe, PostScript, Acrobat and PageMaker are registered trademarks of Adobe System Incorporated.

PCL is a registered trademark of Hewlett-Packard Company.

Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights in those marks.

Warning:

Use of controls or adjustment or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Notes:

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

Manuals for This Machine

Manuals for This Machine

The following manuals separately describe the operational procedures for the operation and maintenance of the machine.

To enhance safe and efficient operation of the machine, all users should read and follow the instructions contained in the following manuals.

❖ **Copy Reference**
Describes the procedures and functions for using this machine as a copier.

❖ **System Settings**
Describes the system settings of this machine.

❖ **Facsimile Reference <Basic Features>**
Describes the procedures and most frequently used functions for using this machine as a facsimile.

❖ **Facsimile Reference <Advanced Features>**
Describes the procedures and more advanced functions for using this machine as a facsimile. And also explains settings for key operators.

❖ **Printer Reference 1**
Describes the system settings, procedures and functions for using this machine as a printer.

❖ **Printer Reference 2**
Describes the procedures and provides necessary information about using this machine as a printer. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer". (this manual)

❖ **Network Interface Board Quick Configuration Guide**
Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Type 1018 PostScript level2 Compatible Kit Operating Instructions Supplement**
Describes the functions of Printer Utility for Mac. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Network Interface Board Type 1018 Owner's Manual**
Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Print Server Software and Documentation" which comes with optional Network Interface Board Type 1018.

Note

❒ Concerning UNIX printing information, please visit our web site or consult your authorized reseller.

ENERGY STAR Program



As an ENERGY STAR Partner, we have determined that this machine model meets the ENERGY STAR Guidelines for energy efficiency.

The ENERGY STAR Guidelines intend to establish an international energy-saving system for developing and introducing energy-efficient office equipment to deal with environmental issues, such as global warming.

When a product meets the ENERGY STAR Guidelines for energy efficiency, the Partner shall place the ENERGY STAR logo onto the machine model.

This product was designed to reduce the environmental impact associated with office equipment by means of energy-saving features, such as Low-power mode.

- Low Power mode
 This product automatically lowers its power consumption 15 minutes after the last copy or print job has finished. Printing is still possible in Low Power mode, but if you wish to make copies press the **【Operation Switch】** key first.
 For how to change the default interval that the machine waits before entering Low Power mode, see "Energy Saver Timer" in the System Settings manual.
- Sleep mode (Printer and facsimile installed)
 If the printer or facsimile features are installed, this product automatically lowers its power consumption even further 30 minutes after the last copy or print job has finished. Printing and facsimile reception is still possible in Sleep mode, but if you wish to make copies press the operation switch first.
 For how to change the default interval that the machine waits before entering Sleep mode, see "Auto Off Timer" in the System Settings manual.
- Auto Off mode (Copier only)
 If the neither the printer feature nor facsimile feature is installed, this product automatically turns itself off 30 minutes after the last copy or print job has finished. If you wish to make copies when the machine is in Auto Off mode, press the operation switch.
 For how to change the default interval that the machine waits before entering Auto Off mode, see "Auto Off Timer" in the System Settings manual.

❖ Specification

		Copy feature	Printer or facsimile installed
Low Power mode	Power consumption	70 Wh	80 Wh
	Default Time	15 minutes	15 minutes
	Recovery Time	Less than 20 seconds	Less than 20 seconds
Sleep Mode	Power consumption	-	70 Wh
	Default Time	-	30 minutes
	Recovery Time	-	20 seconds
Auto Off mode	Power consumption	Less than 1 Wh	-
	Default Time	30 minutes	-
	Recovery Time	20 seconds	-

Recycled Paper

In accordance with the ENERGY STAR Program, we recommend use of recycled paper which is environmentally friendly. Please contact your sales representative for recommended paper.

How to Read This Manual

Symbols

In this manual, the following symbols are used:

⚠ ***WARNING:***
This symbol indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

⚠ ***CAUTION:***
This symbol indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

* The statements above are notes for your safety.

Important
If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

Preparation
This symbol indicates the prior knowledge or preparations required before operating.

Note
This symbol indicates precautions for operation, or actions to take after misoperation.

Limitation
This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

Reference
This symbol indicates a reference.

[]
Keys that appear on the machine's panel display.

Keys and buttons that appear on the computer's display.

【 】
Keys built into the machine's control panel.

Keys on the computer's keyboard.

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1. Setting Up the Printer Driver and Canceling a Print Job

PCL Menu 6/5e - Accessing the Printer Properties

Windows 95/98/Me - Accessing the Printer Properties

Changing the default printer settings

1. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

 The **[Printers]** window appears.

2. **Click to select the icon of the printer whose default settings you want to change.**

3. **On the [File] menu, click [Properties].**

 The Printer Properties appear.

4. **Make any settings you require and click [Apply].**

 Note

 ❒ With some applications, the printer driver's settings are not used, and the application's own default settings are applied.

5. **Click [OK].**

Making printer settings from an application

To make the printer settings for a specific application, open the Printer Properties dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95/98/Me.

Note

❒ The actual procedure you should follow to open the Printer Properties dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.

❒ Any settings you make in the following procedure are valid for the current application only.

1. **On the [File] menu, click [Print].**

 The **[Print]** dialog box appears.

2 **Select the printer you want to use in the [Name] list box, and then click [Properties].**

The Printer Properties appear.

3 **Make any settings you require and click [Apply].**

4 **Click [OK] to start printing.**

Windows 2000/Windows XP- Accessing the Printer Properties

Changing the default printer settings - Printer Properties

Limitation

❒ Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

Note

❒ Under Windows XP, click **[Start]** on the taskbar, and then click **[Printers and Faxes]**. The **[Printers and Faxes]** window appears.

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Properties].**

The Printer Properties appear.

4 **Make any settings you require and click [Apply].**

Note

❒ Settings you make here are used as the default settings for all applications.

5 **Click [OK].**

Changing the default printer settings - Printing Preferences Properties

Limitation

❒ Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

Note

❒ Under Windows XP, click **[Start]** on the taskbar, and then click **[Printers and Faxes]**. The **[Printers and Faxes]** window appears.

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Printing Preferences...].**

The Printing Preferences Properties appear.

4 **Make any settings you require and click [Apply].**

Note

❒ Settings you make here are used as the default settings for all applications.

5 **Click [OK].**

Making printer settings from an application

To make the printer settings for a specific application, open the **[Print]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000.

Note

❒ The actual procedures you should follow to open the **[Print]** dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.

❒ Any settings you make in the following procedure are valid for the current application only.

1 **On the [File] menu, click [Print...].**

The **[Print]** dialog box appears.

2 **Select the printer you want to use in the [Select Printer] box.**

Note

❒ Under Windows XP, click **[Preference]** to open the Printer Preference window.

3 **Make any settings you require and click [Apply].**

Note

❒ Under Windows XP, make any settings you require and then click **[OK]**.

4 **Click [Print] to start printing.**

Windows NT 4.0 - Accessing the Printer Properties

Changing the default printer settings - Printer Properties

Limitation

❒ Changing the setting of the printer requires Full Control access permission. Members of Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Properties].**

The Printer Properties appear.

4 **Make any settings you require and click [OK].**

Note

❒ Settings you make here are used as the default settings for all applications.

Changing the default printer settings - Default Document Properties

Limitation

❒ Changing the setting of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Document Defaults...].**

The Default Document Properties appear.

4 **Make any settings you require and click [OK].**

Note

❒ Settings you make here are used as the default settings for all applications.

Making printer settings from an application

To make the printer settings for a specific application, open the Printer Properties dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows NT 4.0.

Note

❒ The actual procedure you should follow to open the Printer Properties dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.

❒ Any settings you make in the following procedure are valid for the current application only.

1 On the [File] menu, click [Print...].

The **[Print]** dialog box appears.

2 Select the printer you want to use in the [Name] list box, and then click [Properties].

The Printer Properties appear.

3 Make any settings you require and click [OK].

4 Click [OK] to start printing.

PostScript - Setting Up for Printing

Windows 95/98/Me - Accessing the Printer Properties

Changing the default printer settings

To make the Printer default settings, first open the Printer Properties dialog box from the **[Printers]**window.

Note

❒ With some applications, the printer driver's settings are not used, and the application's own default settings are applied.

1. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

 The **[Printers]** window appears.

2. **Click to select the icon of the printer whose default settings you want to change.**

3. **On the [File] menu, click [Properties].**

 The Printer Properties appear.

4. **Make any settings you require and click [Apply].**

5. **Click [OK].**

Making printer settings from an application

To make the printer settings for a specific application, open the Printer Properties dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95/98/Me.

Note

❒ The actual procedure you should follow to open the Printer Properties dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.

❒ With some applications, the printer driver's settings are not used, and the application's own default settings are applied.

❒ Any settings you make in the following procedure are valid for the current application only.

1. **On the [File] menu, click [Print].**

 The **[Print]** dialog box appears.

2 **Select the printer you want to use in the [Name] list box, and then click [Properties].**

The Printer Properties appear.

3 **Make any settings you require and click [Apply].**

4 **Click [OK] to start printing.**

Windows 2000/Windows XP- Accessing the Printer Properties

Changing the default printer settings - Printer Properties

Limitation

❒ Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

Note

❒ Under Windows XP, click **[Start]** on the taskbar, and then click **[Printers and Faxes]**. The **[Printers and Faxes]** window appears.

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Properties].**

The Printer Properties appear.

4 **Make any settings you require and click [Apply].**

Note

❒ Settings you make here are used as the default settings for all applications.

5 **Click [OK].**

Changing the default printer settings - Printing Preferences Properties

Limitation

❒ Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

Note

❒ Under Windows XP, click **[Start]** on the taskbar, and then click **[Printers and Faxes]**. The **[Printers and Faxes]** window appears.

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Printing Preferences...].**

The Printing Preferences Properties appear.

4 **Make any settings you require and click [Apply].**

Note

❒ Settings you make here are used as the default settings for all applications.

5 **Click [OK].**

Making printer settings from an application

To make the printer settings for a specific application, open the **[Print]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000.

Note

❒ The actual procedures you should follow to open the **[Print]** dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.

❒ Any settings you make in the following procedure are valid for the current application only.

1 **On the [File] menu, click [Print...].**

The **[Print]** dialog box appears.

2 **Select the printer you want to use in the [Select Printer] box.**

Note

❒ Under Windows XP, click **[Preference]** to open the Printer Preference window.

3 **Make any settings you require and click [Apply].**

Note

❒ Under Windows XP, make any settings you require and then click **[OK]**.

4 **Click [OK] to start printing.**

Windows NT 4.0 - Accessing the Printer Properties

Changing the default printer settings - Printer Properties

Limitation

❒ Changing the setting of the printer requires Full Control access permission. Members of Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears .

2 **Click to select the icon of the printer whose default settings you want to change.**

3 **On the [File] menu, click [Properties].**

The Printer Properties appear.

4 **Make any settings you require and click [OK].**

Note

❒ Settings you make here are used as the default settings for all applications.

Changing the default printer settings - Default Document Properties

Limitation

❒ Changing the setting of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

2 **Click to select the icon of the printer you want to use.**

3 **On the [File] menu, click [Document Defaults...].**

The Default Document Properties appear.

4 **Make any settings you require and click [OK].**

Note

❒ Settings you make here are used as the default settings for all applications.

Making printer settings from an application

To make the printer settings for a specific application, open the Printer Properties dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows NT 4.0.

Note

❒ The actual procedure you should follow to open the Printer Properties dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.

❒ Any settings you make in the following procedure are valid for the current application only.

1 On the [File] menu, click [Print].

The **[Print]** dialog box appears.

2 Select the printer you want to use in the [Name] list box, and then click [Properties].

The Printer Properties appear.

3 Make any settings you require and click [OK].

4 Click [OK] to start printing.

Macintosh - Setting Up for Printing

Making paper settings from an application

1 Open the file you want to print.

2 On the [File] menu, click [Page Setup].

The **[LaserWriter 8 Page Setup]** dialog box appears.

3 Confirm that the printer you want to use is shown in [Format for:] box.

Then, use **[Paper]** to select the paper size you want to use.

Note

❒ If the printer is not shown in the **[Format for:]** box, use the pop-up menu to display a list of available printers.

Reference

The actual appearance of the **[Page Setup]** dialog box depends on the application you are using. See the documentation that comes with the Macintosh for more information.

4 After configuring the settings, click [OK].

Setting up for printing from an application

1. **Open the file you want to print.**
2. **On the [File] menu, click [Print].**
 The **[Printer]** dialog box appears.
3. **Confirm that the printer is selected in the [Printer :] box, and make the printer settings.**
4. **After configuring the settings, click [Print] .**

Canceling a Print Job

Windows 95/98/Me, Windows 2000, Windows XP, Windows NT 4.0 - Canceling a Print Job

1 **Double-click the printer icon on the Windows taskbar.**

A window appears, showing all the print jobs that are currently queuing to be printed. Check the current status of the job you want to cancel.

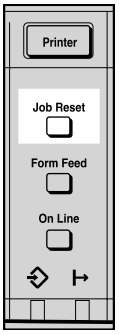
2 **Select the name of the job you want to cancel.**

3 **On the [Document] menu, click [Cancel].**

Note

❒ You can also open the print job queue window by double-clicking the printer icon in the **[Printers]** window.

4 **Press 【Job Reset】 on the control panel.**



ZENS570N

The message appears on the panel display indicating that the print job is being canceled.

Important

❒ This procedure cancels the print job that is being processed by the printer. In some cases, the printer may already be processing data for the next print job following the one currently being output. In this case, the next print job is also canceled when you press 【Job Reset】.

❒ When the printer is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed internally by the printer. Because of this, printing may continue for a few pages after you press 【Job Reset】.

❒ A print job that contains a large volume of data may take considerable time to stop.

Macintosh - Canceling a Print Job

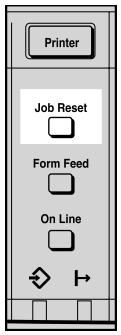
1 Double-click the printer's icon on the desktop.

A window appears, showing all the print jobs that are currently queuing to be printed. Check the current status of the job you want to cancel.

2 Select the name of the job you want to cancel.

3 Click the pause icon, and then click the trash icon.

4 Press 【Job Reset】 on the control panel.



ZENS570N

The message appears on the panel display indicating that the print job is being canceled.

Important

- ❒ This procedure cancels the print job that is being processed by the printer. In some case, the printer may already be processing data for the next print job following the one currently being output. In this case, the next print job is also canceled when you press 【Job Reset】.
- ❒ When the printer is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

Note

- ❒ You cannot stop printing data that has already been processed internally by the printer. Because of this, printing may continue for a few pages after you press 【Job Reset】.
- ❒ A print job that contains a large volume of data may take considerable time to stop.

2. Uninstalling the Printer Driver and Software

Uninstalling the PCL 6/5e Printer Driver

This section describes how to uninstall the printer driver. The actual procedure may differ depending on the operating system.

Follow one of the appropriate procedures.

Windows 95/98/Me - Uninstalling the PCL 6/5e Printer Driver

1. **Close all applications that are running.**
2. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**
 The **[Printers]** window appears.
3. **Click to select the icon of the printer you want to remove.**
4. **On the [File] menu, click [Delete].**
 A confirmation dialog box appears.
5. **Click [Yes] to uninstall the printer driver.**

Windows 2000/Windows XP- Uninstalling the PCL 6/5e Printer Driver

Limitation

❒ Uninstalling a printer driver requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you uninstall a printer driver, log on using an account that has Manage Printers permission.

1. **Close all applications that are running.**
2. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**
 The **[Printers]** window appears.

 Note

 ❒ Under Windows XP, click **[Start]** on the taskbar, and then click **[Printers and Faxes]**. The **[Printers and Faxes]** window appears.
3. **Click to select the icon of the printer you want to remove.**
4. **On the [File] menu, click [Delete].**
 A confirmation dialog box appears.

5 **Click [Yes] to uninstall the printer driver.**

Windows NT 4.0 - Uninstalling the PCL 6/5e Printer Driver

Limitation

❒ Uninstalling a printer driver requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control Permission by default. When you install a printer driver, log on using an account that has Full Control permission.

1 **Close all applications that are running.**

2 **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

3 **Click to select the icon of the printer you want to remove.**

4 **On the [File] menu, click [Delete].**

A confirmation dialog box appears.

5 **Click [Yes] to uninstall the printer driver.**

Uninstalling the PostScript Printer Driver

This section describes how to uninstall the PostScript printer driver.
The actual procedure may differ depending on the operating system.
Follow one of the appropriate procedures.

Windows 95/98/Me - Uninstalling the PostScript Printer Driver

1. **Close all applications that are running.**
2. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**
 The **[Printers]** window appears.
3. **Click to select the icon of the printer you want to remove.**
4. **On the [File] menu, click [Delete].**
 A confirmation dialog box appears.
5. **Click [Yes] to uninstall the printer driver.**

Windows 2000/Windows XP- Uninstalling the PostScript Printer Driver

Limitation

❒ Uninstalling a printer driver requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you uninstall a printer driver, log on using an account that has Manage Printers permission.

1. **Close all applications that are running.**
2. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**
 The **[Printers]** window appears.

 Note

 ❒ Under Windows XP, click **[Start]** on the taskbar, and then click **[Printers and Faxes]**. The **[Printers and Faxes]** window appears.
3. **Click to select the icon of the printer you want to remove.**
4. **On the [File] menu, click [Delete].**
 A confirmation dialog box appears.
5. **Click [Yes] to uninstall the printer driver.**

Windows NT 4.0 - Uninstalling the PostScript Printer Driver

Limitation

❒ Uninstalling a printer driver requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control Permission by default. When you uninstall a printer driver, log on using an account that has Full Control permission.

1. **Close all applications that are running.**
2. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**

 The **[Printers]** window appears.
3. **Click to select the icon of the printer you want to remove.**
4. **On the [File] menu, click [Delete].**

 A confirmation dialog box appears.
5. **Click [Yes] to uninstall the printer driver.**

Macintosh - Uninstalling the PostScript Printer Driver

1. **Delete the "PPD" file inside the [Printer Description] folder in the [Extensions] folder in [System Folder].**

Error & Status Messages on the Control Panel

Messages/Second messages	Description	Solution
Add Toner Open Front Cover and /Follow Instructions to Replace Toner Bottle	Toner is running out.	It is time to supply toner.
Bypass Tray in Use Please Wait	Bypass tray is in use for copier or facsimile mode.	Wait until the job which use the Bypass Tray will be completed.
Clear Misfeed(s) /Follow instructions in Right Cover	There is misfeed at the right cover.	Remove the misfed paper following the instructions inside the right cover.
Close Front Cover	The front cover is open.	Close the front cover.
Close Lower Right Cover	The lower right cover (next to Tray 1, Tray 2 , Tray 3 or Tray4) is open.	Close the lower right cover (next to Tray 1, Tray 2 , Tray 3 or Tray4).
Close Right Cover	The right cover is open.	Close the right cover.
Duplex Unit In Use Please Wait	Duplex unit is in use for copier or facsimile mode.	Wait until the duplex job will be completed.
Form Feed...	The printer is form feeding.	Wait for a while.
Hardware Problem:	An error has occurred in the Hardware.	First, turn off the power switch and then on. If the message appears again, call your sales or service representative.
Load Bypass Tray [Paper Size]	There is no paper left in the Bypass Tray.	Load paper into the Bypass Tray.
Load Paper [Paper Size]	The paper size setting on the tray differs from that of actual paper size in the tray.	Load paper that matches the paper size settings. Printing will not automatically resume if the paper size and orientation settings are incorrect. Use the control panel and the paper size dial in the paper tray to set the correct paper size and orientation of the paper in the tray.

Messages/Second messages	Description	Solution
Load Tray # [Paper Size]	There is no paper left in this tray.	Load paper into the tray indicated.
Memory Overflow Job Incomplete	A memory overflow has occurred.	Add memory to the printer.
Memory Full Job Incomplete	A memory full has occurred.	Add memory to the printer.
Offline	The printer is offline. The printer cannot accept or print out data.	If you want to put the printer online, press 【On Line】.
Printing...	The printer is printing.	Wait for a while.
Print Overrun Job Incomplete	A print overrun occurred on a file being printed. Only a part of the data on the page will be printed, and the print job is suspended, or the current print job has been canceled.	To print the image correctly, add memory to the printer or simplify the actual data size. Set "Page Protect" to "On" on the printer driver. Be sure to return "Page Protect" to "Auto" after the print job. With "Page Protect" "On", the printer performance might be decreased. While using the PostScript printer driver, lower the resolution setting.
Processing...	The printer is processing internally.	Wait for a while.
Ready	The printer is online and ready to print.	If you want to set the printer offline, press 【Online】.
Remove Paper From Duplex Unit	There is still paper in duplex unit.	Remove the paper from duplex unit.
Resetting Job...	The print job is being reset.	Wait for a while.
Reset Tray # Correctly	The input paper tray is not set correctly.	Set the input paper tray correctly.
Toner is Almost Empty	Toner is almost running out.	Replace the toner soon to prevent poor print quality.
Waiting...	The printer is waiting for the next print job.	Wait for a while.
Warming Up...	The printer is warming up or toner is being supplied.	Wait until the panel display change to "Ready".

Machine Does Not Print

Possible Cause	Solutions
Is the power on?	Turn on the machine.
Is the interface cable properly connected?	Connect the interface cable properly. If there are any connectors or screws, make sure that they are fastened securely.
Are you using the correct interface cable?	Be sure to use the correct one. If the cable is damaged or worn, replace it with a new one.
Did you connect the interface cable after turning on the main switch?	Be sure to connect the interface cable before turning on the main switch.
Is the machine Online?	Make it Online by touching the **[Online]** key.
Is the specified paper set?	Set the specified paper in any of the input trays.
Are there any error messages on the panel display?	Check the error message, and take the required action.
Does the Printer Mode key stay red?	Check the error message, and take the required action.
Is the Data-in Indicator blinking or lit?	If not, the data does not reach the machine. Check the printer cable connection. Also confirm that the printer port settings are correct.
Can you print a configuration page?	If you cannot, check the printer cable connection. Also confirm that the printer port settings are correct.
Can you make a "Print Test Page" from the printer driver?	If you cannot, the machine might be out of order. Contact your sales or service representative.

Other Printing Problems

Problem	Action
An image is printed on the reverse side of the paper.	Set the paper upside down.
Multiple pages are fed through the printer at once.	Remove all the paper from the tray and fan them gently.
Paper misfeeds occur frequently.	Check the paper size settings. Use the recommended paper. Avoid using curled, folded or wrinkled paper, perforated paper, or glossy paper.
An control panel error message stays on after removing the misfed paper.	A paper misfeed message will remain until the front cover is opened and then closed. Open the front cover and close it.
It takes a long time for the printer to start printing.	The machine might be in Energy Saver mode or Low Power mode, which requires more time for warming up and resuming the print job. If you can't wait, change the settings of Low Power. Shift Time and Low Power Timer.
It takes too much time to complete the print job.	The data is so large or complex that it takes time to process it. If the Data In indicator is blinking, the data processing is being done. Just wait until it is finished.
Windows 95/98/Me, Windows 2000, Windows XP, Windows NT 4.0 : The computer does not recognize the installed printer options.	If the printer is not connected to a network, specify which options you have installed using the printer driver. See the HELP file of the printer driver.

4. Using the Control Panel

Though the factory default settings of the printer are suitable for most printing jobs, the "Printer Features" gives you access to a number of settings that control basic printer operations. "Printer Features" settings you make are retained even when you turn off the printer.

Reference

For more information about the copy features and their system settings, see the Copy Reference and the System Settings manuals.

Note

❒ Some of the settings accessed by the printer driver can be accessed by the “Printer Features”. Settings made by the printer driver take priority over settings by the“Printer Features”.

Adjusting Printer Features

Printer Features Menu

There are four menu items in the "Printer Features" menu.

- Job Control
- Network Setup
- Maintenance
- List Print

You can select functions in the following table.

Category	Function menu		
Job Control ⇒ p.27	Paper Input	Tray Priority	
		Tray Locking	
		Bypass Paper Size	Standard Size
			Custom Size
	Duplex		
	Print Quality	Edge Smoothing	
		Resolution	PCL
			PS
		Toner Saving	
	System	Print PS Errors	
		I/O Timeout	
		I/O Buffer	
		Page Protect	
		Auto Continue	
		Sub Paper Size	
	PCL Menu	Orientation	
		Form Lines	
		Font Source	
		Font Number	
		Point Size	
		Font Pitch	
		Symbol Set	
Network Setup ⇒ p.34	IP Address		
	Subnet Mask		
	Gateway Address		
Maintenance ⇒ p.35	Restart Printer		
	Menu Reset		
	Hex Dump		
List Print ⇒ p.37	Configuration Page		
	Menu List		
	PCL Font List		
	PS Font List		

Accessing the Printer Features Menu

Press **【User Tools/Counter】**.



Press the ◁ or ▷ key to display "5.Printer Features", and then press **【OK】**.

The following screen appears on the panel display.

```
Printer Features:
1.Job Control      ◆▶
```

Press the ◁ or ▷ key to display the following four items one by one.

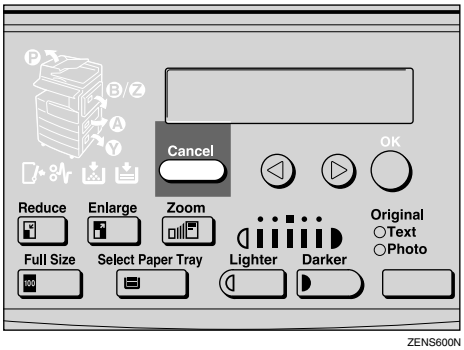
- Job Control
- Network Setup
- Maintenance
- List Print

Note

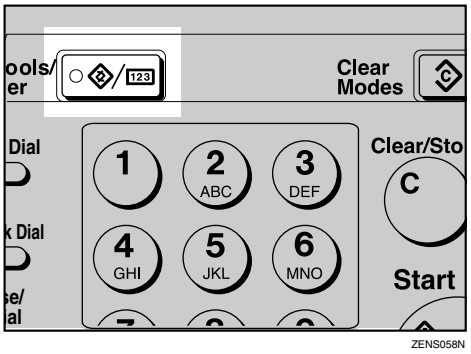
❒ ▷ key : Press to go to the next menu.

❒ ◁ key : Press to go back to the previous menu

❒ After making the printer settings, be sure to return to the previous menu by pressing **【Cancel】**.



❒ After making the printer settings, press 【**User Tools/Counter**】 to return to the initial display.



❒ The revised settings are not canceled even if the power switch is turned off.

Printer Features Parameters

Job Control Menu

There are five menu items in the "Job Control" menu.

- Paper Input
- Duplex
- Print Quality
- System
- PCL Menu

Job Control Parameters

❖ Paper Input

Menu	Description
Tray Priority	When no tray or paper size is selected for a print job, the tray selected here is used. Tray 1, Tray 2, Tray 3, Tray 4 **Note** ❒ Default: *Tray 1* ❒ Only the installed trays appear on the panel display. ❒ It is recommended that you load paper having the size and direction you frequently use in the tray selected with "Tray Priority".
Tray Locking	If you use different kinds of paper, you can lock a tray to prevent printing on wrong paper such as letterhead or colored paper. When "Auto Select" is selected in the Paper Source selections from the printer driver, the locked tray will not be used. You can lock multiple trays at the same time. Tray 1, Tray 2, Tray 3, Tray 4 **Note** ❒ This menu is invalid if the optional tray is not installed. ❒ If you want to use the locked tray, you must select the tray from the printer driver. ❒ When a locked tray is selected from the printer driver, the printer does not search for any other tray.

Menu	Description
Bypass Paper Size	You can specify the paper size, standard or custom, for the Bypass Tray. When the bypass paper size is not specified, the paper size you set on the control panel is used. If you use PCL 6 or PS2 printer driver to print custom paper size, the paper size you set in the printer driver is used. If you use PCL 5e printer driver to print custom paper size, paper size you set on the control panel is used. If the Bypass Tray can hold paper of either the short-edge-feed size or the long-edge-feed size, use the short-edge-feed size. If you want to use a long-edge-feed size in the Bypass Tray, the printer driver and control panel settings must be the same.

❖ Duplex

Menu	Description
Duplex	You can select whether you want to print on both sides of each page. • Off • Long Edge Binding • Short Edge Binding **Note** ❒ Default: *Off* ❒ This menu appears only when the machine has duplex function. Confirm which type of machine you have. ❒ The setting in the printer driver takes priority of the setting on control panel.

❖ Print Quality

Menu	Description
Edge Smoothing	You can set whether to enable Edge Smoothing. • On • Off **Note** ❒ Default: *On* ❒ If "Toner Saving" is "On", "EdgeSmoothing" is ignored even if it is "On". ❒ The setting in the printer driver takes priority of the setting on control panel.

Menu	Description
Resolution	You can set the print resolution in dots per inch. ❖ **PCL** 300 dpi, 600 dpi ❖ **PS** 300 dpi, 600 dpi **Note** ❒ Default: 600 dpi ❒ The setting in the printer driver takes priority of the setting on control panel.
Toner Saving	You can select whether to enable Toner Saving. • Off • On **Note** ❒ Default: *Off* ❒ If "Toner Saving" is "On", "EdgeSmoothing" is ignored even if it is "On". ❒ The setting in the printer driver takes priority of the setting on control panel.

❖ System

Menu	Description
Print PS Errors	You can set whether the PS error sheet should be printed out. • Off • On **Note** ❒ Default: *Off*
I/O Timeout	You can set how many seconds the printer should wait before ending a print job. If data from other port often appears in the middle of the print job, you should increase the timeout value. 15 seconds, 30 seconds, 60 seconds, 180 seconds, 300 seconds **Note** ❒ Default: *30 seconds*
I/O Buffer	You can set the size of the I/O Buffer. Normally it is not necessary to change this setting. 16 KB, 32 KB, 64 KB, 128 KB, 256 KB, 512 KB **Note** ❒ Default: 32 KB

Menu	Description
Page Protect	When the "Print Overrun. Job Incomplete." message appears on the panel display, set this function to "On". • Auto • On **Note** ❒ Be sure to return "Page Protect"to "Auto" after the print job. With "Page Protect" "On", the printer performance might be decreased. ❒ Default: *Auto* ❒ The setting in the printer driver takes priority of the setting on control panel.
Auto Continue	You can set whether to enable Auto Continue. When it is set to "On", the printing continues even if the following error messages appear on the display. "Print Overrun. Job Incomplete.", "Memory Overflow. Job Incomplete.", "Memory Full. Job Incomplete." • Off • On **Note** ❒ When it is "On", and a certain type of error occurs, the current job might be canceled, and the printer automatically resumes the next job. ❒ Default: *Off*
Sub Paper Size	You can enable the Auto Substitute Paper Size feature between A4 and letter size. When you select "On", the printer substitutes A4 ↔ letter size if the paper currently specified is not loaded. • Off • On **Note** ❒ Default: *Off*

❖ PCL Menu

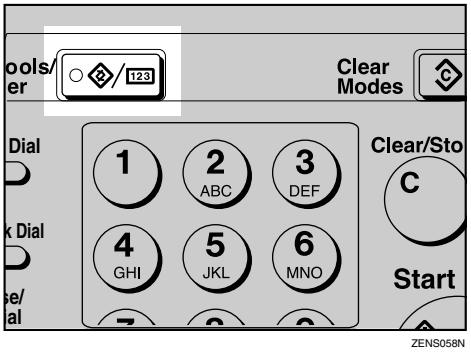
Menu	Description
Orientation	You can set the page orientation. • Portrait • Landscape **Note** ❒ Default: Portrait
Form Lines	You can set the number of lines per page. 5-128 **Note** ❒ Default: 64 (Metric version), 60 (Inch version)

Menu	Description
Font Source	You can set the location of the default font. • Internal • Download **Note** ❒ Default: Internal ❒ When you select "Download", you can select only fonts downloaded to printer RAM.
Font Number	You can set the ID of the default font you want to use. • 0 to 54 (for Internal) • 1 to 54 (for Download source) **Note** ❒ Default: Internal ❒ Default: 0
Point Size	You can set the point size you want to use for the default font. 4 to 999.75 by 0.25 **Note** ❒ Default: 12.00 ❒ This setting is effective only for a variable-space font.
Font Pitch	You can set the number of characters per inch you want to use for the default font. 0.44 to 99.99 by 0.01 **Note** ❒ Default: 10.00 ❒ This setting is effective only for a fixed-space font.
Symbol Set	You can specify the set of print characters for the default font. The available options are as follows. Roman-8, ISO L1, ISO L2, ISO L5, PC-8, PC-8 D/N, PC-850, PC-852, PC8-TK, Win L1, Win L2, Win L5, Desktop, VN Intl, VN US, MS Publ, Math-8, VN Math, Pifont, Legal, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, Win 3.0 **Note** ❒ Default: Roman-8

Changing the Paper Input Menu

The following procedure describes changing the "Tray Priority" as an example in the "Paper Input"menu.

1 **Press [User Tools/Counter].**



2 **Press the ◁ or ▷ key until the following message appears on the panel display.**

```
User Tools:
5.Printer Features  ◆
```

3 **Press [OK].**

The following screen appears on the panel display.

```
Printer Features:
1.Job Control       ◆
```

4 **Press [OK].**

The following screen appears on the panel display.

```
Job Control:
1.Paper Input       ◆
```

5 **Press [OK].**

The following screen appears on the panel display.

```
Paper Input:
1.Tray Priority     ◆
```

6 **Press [OK].**

The following screen appears on the panel display.

```
Tray Priority:    ◆◆/OK
[Tray 1]
```

7 **Press [OK].**

The following screen appears on the panel display.

```
Tray Priority:    ◆◆/OK
[Tray 1]
```

8 **Press the ◁ or ▷ key to select the tray type you want to use.**

9 **Press [OK].**

"Programmed" is displayed for two seconds.

10 **The following screen appears on the panel display.**

```
Paper Input:
1.Tray Priority      ◆◆
```

11 **Press [User Tools/Counter] to return to the initial display.**



Network Setup Menu

There are three menu items in the "Network Setup" menu.

- IP Address
- Subnet Mask
- Gateway Address

Note

❒ This "Network Setup" menu appears only when installing the optional Network Interface Board.

Network Setup Parameters

Menu	Description
IP Address	You can set the IP Address. **Note** ❒ Default: *All zero* **Reference** See *"Configuring the Printer for the Network with the Control Panel"* in Printer Reference 1.
Subnet Mask	You can set the Subnet Mask. **Note** ❒ Default: *255.000.000.000* **Reference** See *"Configuring the Printer for the Network with the Control Panel"* in Printer Reference 1.
Gateway Address	You can set the Gateway Address. **Note** ❒ Default: *All zero* **Reference** See *"Configuring the Printer for the Network with the Control Panel"* in Printer Reference 1.

Maintenance Menu

There are three menu items in the "Maintenance" menu.

- Restart Printer
- Menu Reset
- Hex Dump

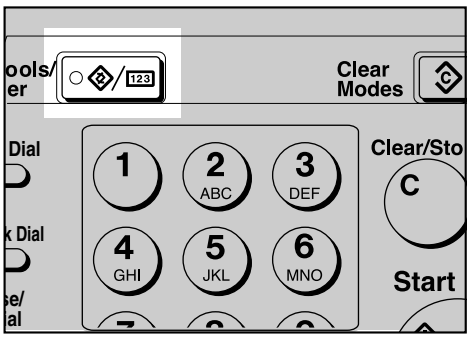
Maintenance Parameters

Menu	Description
Restart Printer	You can restart the printer. ⇒ p.35 "Restarting a Printer"
Menu Reset	You can reset the menu settings to the factory defaults except the optional Network Interface Board settings.
Hex Dump	You can set to isolate the source of a print job problem. With this function "On", all data sent to the printer is printed in hexadecimal character representation. • On • Off **Note** ❒ Default: *Off*

Restarting a Printer

The following procedure describes selecting the "Restart Printer" as an example in the "Maintenance" menu.

1 **Press【User Tools/Counter】.**



2 **Press the ◁ or ▷ key until the following message appears on the panel display.**

```
User Tools:
5.Printer Features  ◆▶
```

3 **Press [OK].**

The following screen appears on the panel display.

```
Printer Features:
1.Job Control       ◆▶
```

4 **Press the ◁ or ▷ key until the following message appears on the panel display.**

```
Printer Features:
3.Maintenance       ◆▶
```

5 **Press [OK].**

The following screen appears on the panel display.

```
Maintenance:
1.Restart Printer   ◆▶
```

6 **Press [OK].**

The following screen appears on the panel display.

```
Restart Printer:
Press OK
```

7 **Press [OK].**

"Ready" appears on the panel display.

```
Ready
```

List Print Menu

There are four menu items in the "List Print" menu.

- Configuration Page
- Menu List
- PCL Font List
- PS Font List

List Print Parameters

Menu	Description
Configuration Page	You can print a Configuration Page. ⇒ p.37 "Printing a Configuration Page"
Menu List	You can print the Menu List which shows the function menus of this machine.
PCL Font List	You can print a PCL Font List.
PS Font List	You can print a PS Font List.

Printing a Configuration Page

The following procedure describes printing the "Configuration Page" as an example in the "List Print"menu.

Reference

For more information, see p.39 "Interpreting the Configuration Page".

1 **Press [User Tools/Counter].**



2 **Press the ◁ or ▷ key until the following message appears on the panel display.**

```
User Tools:
5.Printer Features  ◆▶
```

3 **Press [OK].**

The following screen appears on the panel display.

```
Printer Features:
1.Job Control       ◆▶
```

4 **Press the ◁ or ▷ key until the following message appears on the panel display.**

```
Printer Features:
4.List Print        ◆▶
```

5 **Press [OK].**

The following screen appears on the panel display.

```
List Print:
1.Configuration Page◆▶
```

6 **Press [OK].**

The following screen appears on the panel display.

```
Configuration Page:
Press OK
```

7 **Press [OK].**

The following screen appears on the panel display.

```
Printing...
Configuration Page
```

In a short time, the printing of the configuration page will start.

Important

❒ If you cannot complete printing a configuration page correctly, make sure an error message appears on the panel display. For more information about error messages, see p.19 “Error & Status Messages on the Control Panel”.

Interpreting the Configuration Page

Reference

❖ **Printer ID**
Shows the serial number assigned to the board by its manufacturer.

❖ **Firmware Version**
Shows the version number of the printer firmware.

❖ **Pages Printed**
Shows the total number of pages printed by the printer to date.

❖ **Total Memory**
Shows the total amount of memory (SDRAM) installed on the printer.

❖ **Options**
Show the options that you installed.

Job Control

Shows the settings made under the "Job Control" menu.

Reference
For more information, see p.27 "Job Control Menu".

Network Setup

Shows the settings you made under the "Network Setup" menu.

When DHCP is active on the network, the actual IP Address, Subnet Mask and Gateway Address appear in parentheses on the configuration page.

Reference
For more information, see p.34 "Network Setup Menu".

Maintenance

Shows the settings you made under the "Maintenance".

Reference
For more information, see p.35 "Maintenance Menu".

Error Log

Shows the log of printer errors.

Adjusting System Settings

Accessing the System Settings

1 **Press [User Tools/Counter].**



2 **Press the ◁ or ▷ key to display "2.System Settings".**



3 **Press [OK].**

The following screen appears on the panel display.



Select the desired menu you want to change.

4 **Change the settings by following the instructions on the panel display, and then press [OK].**

⇒ p.41 "System Settings Parameters"

Note

❒ Press the [Language] key to switch the display language.

Exiting from the User Tools/Counter

1 **Press [User Tools/Counter].**

System Settings Parameters

This section contains the information about the parameters used for the printer.

Reference

For more information about the other parameters in the System Settings menu, see the "System Settings" manual.

Menu	Description
1.Function Priority	You can specify the mode (Copier, Fax or Printer) to be displayed immediately after the operation switch is turned on or System Reset mode is turned on. **Note** ❒ Default: *Copier*
3.System Reset	The machine returns to its prioritized mode automatically after your job is finished, when you selected the time. This function is called "System Reset". The time can be set from 10 to 999 seconds, or no system reset. **Note** ❒ Default: On (*60 seconds*) ❒ You can specify the prioritized mode with the user tools. See "1.Function Priority".
6.Auto Off Timer	The machine turns itself off automatically to conserve energy after your job is finished, after the selected time. This function is called "Auto Off ". The time can be set from 1 to 240 minutes. **Note** ❒ Default: *30 minutes* ❒ Auto Off might not be effective when an error message is displayed. ❒ To return to the ready condition from Auto Off, the machine requires the same warm-up time as the time for becoming ready after power is turned on. ❒ When the machine receives a fax or printer data in Auto Off mode, it automatically prints the fax or the printer data.

Menu	Description
11Print Priority (setting the multi-accessing function)	Sets the print priority for each mode. • "Copier" Print priority is given to the copy function. • "Fax" Print priority is given to the fax function. • "Printer" Print priority is given to the printer function. • "Interleave" Prints jobs in the order in which they are initiated regardless of mode/function. • "Display" Print priority is given to the mode displayed on the display. **Note** ❒ Default: *Copier* **Reference** See *"Multi-access"* in the System Settings manual.
13Key Operators Tools (13Key Op. Tools)	Used to view or print counters, and set up user codes. If you have registered the access code and set"3.Key Op. Access"to "On", you cannot use this function unless entering the correct code. **Reference** "4.Prog. Key Op. Code" and "3.Key Op. Access".
1.Show Counter	View counter values on the panel display. • Total Pages • Printer (for machines with optional printer function) • Copier • Fax (for machines with optional fax function) • A3 size • 2 Sided Prints (Type 3 only)
2.Print Counter	Print counter lists. **Limitation** ❒ 15 ppm model requires the optional 16MB copier memory unit when using this function.
3 Key Operator Access (3.Key Op. Access)	Turn the key operator access code "On" or "Off". If you select "On", the registered access code is required for using all applications. **Note** ❒ Default: Off **Reference** See "4.Prog. Key Op. Code"

Menu	Description
4 Registering the key operator code (4.Prog. Key Op. Code)	Register or change the key operator access code (8 digits). • Register the access code Select this function and input your desired number (8 digits) with the number keys, and then press the **【OK】** key.  • Change the access code When you select this function, the currently registered code is displayed on the left.  Enter the new code (8 digits) with the number keys, and then press the **【OK】** key.
5.Restricted Access	Restrict user access for each mode (Copier, Fax or Printer) using optional key counter. **Note** ❒ Default: Off

Collate and Rotate Collate

If you select the collate function on the printer driver, the machine will store print data in memory and automatically collate the printouts.

The collate function can be turned on or off from the printer driver. The machine automatically rotates the printouts under the following conditions:

- When using A4, Letter or B5 paper
- Paper with the same size and different orientations (e.g., A4 landscape loaded in Tray 1 and A4 portrait loaded in Tray 2)
- Auto Tray Select is specified for tray setting

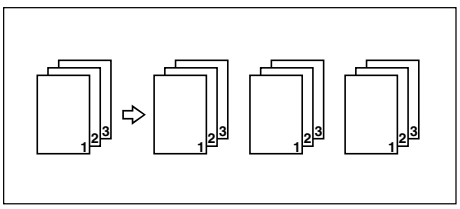
Limitation

❒ The optional 32MB, 64MB or 128MB memory unit is required to use this function.

❒ You cannot use the Bypass Tray with this function.

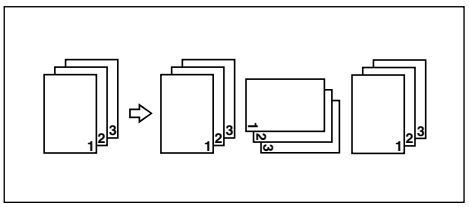
❖ **Collate**

Outputs can be assembled as sets in sequential order.



❖ **Rotate Collate**

Every other output set is rotated by 90°.



Specifications

This section contains the electrical and hardware specifications for the printer, including the information about the options.

Component	Specification
Resolution	300 × 300 dpi; PCL5e [*1] , PS2 [*2] 600 × 600 dpi; PCL5e [*1] , PCL6, PS2
Printing Speed	15ppm, 18ppm (A4 ▯, 8 1/2" × 11" ▯) **Note** ❒ Printing Speed depends on the machine. Confirm which type of machine you have.
Parallel Interface	Standard 36-pin printer cable and a parallel port on the host computer IEEE1284 **Note** ❒ Do not use a parallel cable that is longer than 3 meters (10 feet).
Printer Language	PCL5e , PCL6 PS2 (option)
Fonts	**PCL5e, PCL6** 35 Intellifonts, 10 True Type fonts **PS2 (option)** 80 PS Resident fonts
Memory	**Standard :** 16MB **Optional SDRAM :** 32MB, 64MB, 128MB
Operation Systems supported by this printer	Windows 95 [*3] /98 [*4] /Me [*5] Windows 2000 [*6] Windows XP [*7] Windows NT 4.0 [*8] Mac OS [*9]
Network	**Topology :** Ethernet 10BASE-T/100BASE-TX
	Protocol : TCP/IP, IPX/SPX, AppleTalk
Network Cable	10BASE-T/100BASE-TX interface cable with ferrite core

[*1] For PCL5e, only 600dpi is selectable from the printer driver.
[*2] PostScript level2 Compatible
[*3] Microsoft Windows 95 operating system
[*4] Microsoft Windows 98 operating system
[*5] Microsoft Windows Millennium Edition
[*6] Microsoft Windows 2000 Professional
Microsoft Windows 2000 Server
[*7] Microsoft Windows XP Professional
Microsoft Windows XP Home Edition
[*8] Microsoft Windows NT Server operating system version 4.0, Microsoft Windows NT Workstation operating system version 4.0 in a computer using x86 processors.
[*9] Required version is 8 or 9 operating system. With Mac OS X, the machine operates in only Classic mode.

Options

Network Interface Board Type 1018

❖ **Topology:**
Ethernet (10BaseT/100BaseTX)

❖ **Protocols:**
TCP/IP, IPX/SPX, AppleTalk

❖ **Interface Connector:**
RJ45

❖ **Required Cable:**
Interface cable with ferrite core
*A cable is not provided with this option.

Memory Unit

❖ **Module Type:**
SO-DIMM (Small Outline Dual-in-line Memory Module)

❖ **Memory Type:**
SDRAM (Synchronous Dynamic RAM)

❖ **Number of Pins**
144 pins

❖ **Compatible:**
PC100 compatible

Type 1018 PostScript level2 Compatible Kit

PostScript level2 compatible

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Note to users in the United States of America

Notice:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution (in case of IEEE1284 environment) :

Properly shielded and grounded cables and connectors must be used for connections to host computer (and/or peripheral) in order to meet FCC emission limits.

Caution (in case of 100BaseTX environment) :

Interface cable with ferrite core must be used for RF interference suppression.

Declaration of Conformity

Product Name: Printer Controller
Model Number: Type 1018
Responsible party: Ricoh Corporation
Address: 5 Dedrick Place, West Caldwell, NJ 07006
Telephone number: 973-882-2000
This device complies with part 15 of FCC Rules.
Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. this device must accept any interference received,

including interference that may cause undesired operation.

Note to users in Canada

Note:

This Class B digital apparatus complies with Canadian ICES-003.

Remarque concernant les utilisateurs au Canada

Avertissement:

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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